

(a) The notification to the Interference Office, Arecibo Observatory shall be made prior to, or simultaneously with, the filing of the application with the Commission. The notification shall state the geographical coordinates of the antenna (NAD-83 datum), antenna height above ground, ground elevation at the antenna, antenna directivity and gain, proposed frequency and FCC Rule Part, type of emission, effective radiated power, and whether the proposed use is itinerant. Generally, submission of the information in the technical portion of the FCC license application is adequate notification. In addition, the applicant shall indicate in its application to the Commission the date notification was made to the Arecibo Observatory.

(b) After receipt of such applications, the Commission will allow the Arecibo Observatory a period of 20 days for comments or objections in response to the notification indicated. The applicant will be required to make reasonable efforts in order to resolve or mitigate any potential interference problem with the Arecibo Observatory and to file either an amendment to the application or a modification application, as appropriate. If the Commission determines that an applicant has satisfied its responsibility to make reasonable efforts to protect the Observatory from interference, its application may be granted.

[62 FR 55535, Oct. 27, 1997]

#### **§95.841 Operation near a Commission monitoring facility.**

Each CTS and each RTU transmitting from a location within 1.6 km (1 mile) of a Commission monitoring facility must protect that facility from harmful interference. Failure to do so could result in imposition of restrictions upon the operation of the CTS or RTU by the Engineer-in-Charge of the facility. (Geographical coordinates of the facilities that require protection are listed in §0.121(c) of this chapter.)

#### **TECHNICAL STANDARDS**

##### **§95.851 Certification.**

Each CTS and RTU transmitter must be certificated for use in the IVDS in

accordance with subpart J of part 2 of this chapter.

[63 FR 36611, July 7, 1998]

EFFECTIVE DATE NOTE: At 63 FR 36611, July 7, 1998, §95.851 was revised, effective Oct. 5, 1998. For the convenience of the user, the superseded text is set forth as follows:

##### **§95.851 Type acceptance.**

Each CTS and RTU transmitter must be typed-accepted for use in the IVDS in accordance with subpart J of part 2 of this chapter.

##### **§95.853 Frequency segments.**

(a) Frequency segment A is 218.0–218.500 MHz. Frequency segment B is 218.501–219.0 MHz.

(b) Each CTS and each RTU in the same IVDS system shall transmit in the same assigned frequency segment.

##### **§95.855 Transmitter effective radiated power limitation.**

(a) The effective radiated power (ERP) of each CTS and RTU shall be limited to the minimum necessary for successful communications. RTUs with powers in excess of 100 milliwatts must incorporate automatic power control to ensure the minimum ERP is used. No CTS may transmit with an ERP exceeding 20 watts. No fixed RTU may transmit with an ERP exceeding 20 watts. No mobile RTU may transmit with an ERP exceeding 100 milliwatts mean power.

(b) For an IVDS system located in a TV Channel 13 station Grade B predicted contour, the maximum ERP shall be limited as follows:

TV channel 13 service area	Maximum CTS ERP (watts)
City Grade .....	20
Grade A .....	7
Grade B .....	1
Grade B +2 miles .....	1
Grade B +3 miles .....	3
Grade B +4 miles .....	10
Grade B +5 miles and beyond .....	20

[57 FR 8275, Mar. 9, 1992, as amended at 61 FR 32711, June 25, 1996]

##### **§95.857 Emission standards.**

(a) All transmissions by each CTS and by each RTU shall use an emission type that complies with the following standard for unnecessary radiation.